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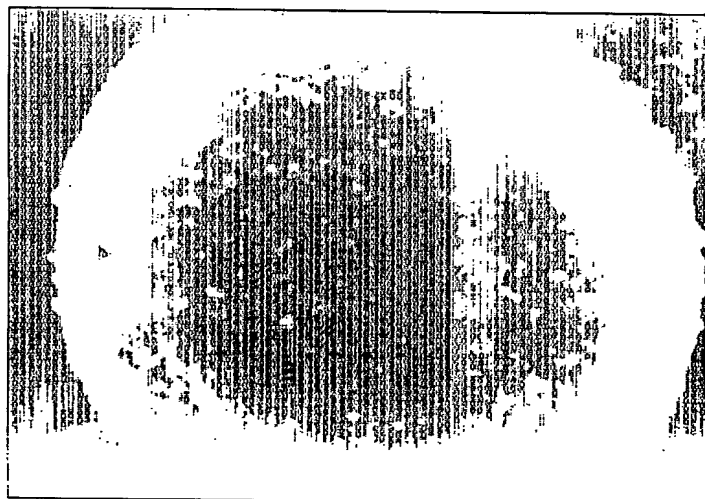
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[Continued on next page]

(54) Title: SURFACE MODIFICATION METHOD FOR INORGANIC OXIDE POWDER, POWDER PRODUCED BY THE METHOD AND USE OF THE POWDER



(57) Abstract: A surface modification method comprising bringing, into a high-temperature flame formed by use of a combustible gas and a combustion-supporting gas, inorganic oxide powder A having an average particle size falling within a range of 0.5 to 200  $\mu\text{m}$  as measured by means of laser diffraction/scattering particle size analysis and inorganic oxide powder B having a particle size calculated on the basis of its BET specific surface area of 100 nm or less, to thereby modify the surfaces of particles of the powder A by means of the particles of the powder B. A surface modification method comprising bringing, into a high-temperature flame formed by use of a combustible gas and a combustion-supporting gas, the inorganic oxide powder A; and bringing again the resultant powder into the high-temperature flame, to thereby modify the surfaces of particles of powder A.

WO 2004/065495 A2



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